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Docket No.: 4590-521

PATENT

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

Anne FERREOL *et al.*

U.S. Patent Application No. 10/578,607

Filed: May 8, 2006

Confirmation No. 3557

Group Art Unit: 2611

Examiner: N/A

For: METHOD FOR THE HIGHER ORDER BLIND DEMODULATION OF A LINEAR  
WAVE-SHAPED TRANSMITTERREQUEST FOR CORRECTED FILING RECEIPT

Commissioner for Patents  
 P.O. Box 1450  
 Alexandria, VA 22313-1450

Sir:

Attached is a copy of the Filing Receipt received from the U.S. Patent and Trademark Office in the above-referenced application, on which we noticed that the title is listed erroneously. Also attached is a copy of the Declaration listing the title, which should appear as: METHOD FOR THE HIGHER-ORDER BLIND DEMODULATION OF A LINEAR-WAVEFORM TRANSMITTER. It is requested that a corrected filing receipt be issued.

Respectfully submitted,  
**LOWE HAUPTMAN & BERNER, LLP**

Kenneth M. Berner  
 Registration No. 37,093

1700 Diagonal Road, Suite 300  
 Alexandria, Virginia 22314  
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 Facsimile: 703-518-5499  
 Date: March 26, 2007

CERTIFICATION OF FACSIMILE TRANSMISSION  
 I HEREBY CERTIFY THAT THIS PAPER IS BEING FACSIMILE  
 TRANSMITTED TO THE PATENT AND TRADEMARK OFFICE

Constance Chamberliss  
 ON THE DATE SHOWN BELOW  
 TYPE OR PRINT NAME OF PERSON SIGNING CERTIFICATION  
Constance Chamberliss  
 SIGNATURE  
 3-26-07

MAR 26 2007

Page 1 of 3



## UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
 United States Patent and Trademark Office  
 Address: COMMISSIONER FOR PATENTS  
 P.O. Box 1450  
 Alexandria, Virginia 22313-1450  
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APPL NO.	FILING OR 371(c) DATE	ART UNIT	FIL FEE REC'D	ATTY.DOCKET NO	TOT CLMS	IND CLMS
10/578,607	05/08/2006	2611	900	4590-521	3	1

## CONFIRMATION NO. 3657

33308  
 LOWE HAUPTMAN GILMAN & BERNER, LLP  
 1700 DIAGNOSTIC ROAD, SUITE 300  
 ALEXANDRIA, VA 22314

## FILING RECEIPT



"OC000000022834379"

Date Mailed: 03/13/2007

Receipt is acknowledged of this regular Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please mail to the Commissioner for Patents P.O. Box 1450 Alexandria Va 22313-1450. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

## Applicant(s)

Anne Ferreol, Colombes, FRANCE;  
 Laurent Albera, Boulogne Billancourt, FRANCE;  
 Josephine Castaing, Paris, FRANCE;

**Power of Attorney:** The patent practitioners associated with Customer Number 33308.

## Domestic Priority data as claimed by applicant

This application is a 371 of PCT/EP04/52734 10/29/2004

## Foreign Applications

FRANCE 0313125 11/07/2003

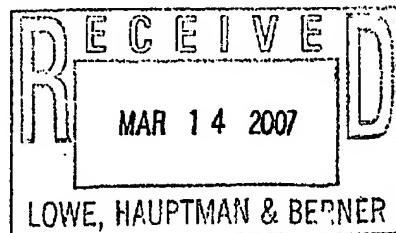
If Required, Foreign Filing License Granted: 03/09/2007

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is US10/578,607

Projected Publication Date: 06/21/2007

Non-Publication Request: No

Early Publication Request: No



# method For The Higher-Order Blind Demodulation of a Linear-Waveform Transmitter

**Title**

Method for the higher order blind demodulation of a linear wave-shaped emitter

Transmitter

**Preliminary Class**

375

## PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES

Since the rights granted by a U.S. patent extend only throughout the territory of the United States and have no effect in a foreign country, an inventor who wishes patent protection in another country must apply for a patent in a specific country or in regional patent offices. Applicants may wish to consider the filing of an international application under the Patent Cooperation Treaty (PCT). An international (PCT) application generally has the same effect as a regular national patent application in each PCT-member country. The PCT process simplifies the filing of patent applications on the same invention in member countries, but does not result in a grant of "an international patent" and does not eliminate the need of applicants to file additional documents and fees in countries where patent protection is desired.

Almost every country has its own patent law, and a person desiring a patent in a particular country must make an application for patent in that country in accordance with its particular laws. Since the laws of many countries differ in various respects from the patent law of the United States, applicants are advised to seek guidance from specific foreign countries to ensure that patent rights are not lost prematurely.

Applicants also are advised that in the case of inventions made in the United States, the Director of the USPTO must issue a license before applicants can apply for a patent in a foreign country. The filing of a U.S. patent application serves as a request for a foreign filing license. The application's filing receipt contains further information and guidance as to the status of applicant's license for foreign filing.

Applicants may wish to consult the USPTO booklet, "General Information Concerning Patents" (specifically, the section entitled "Treaties and Foreign Patents") for more information on timeframes and deadlines for filing foreign patent applications. The guide is available either by contacting the USPTO Contact Center at 800-786-9199, or it can be viewed on the USPTO website at <http://www.uspto.gov/web/offices/pac/doc/general/index.html>.

For information on preventing theft of your intellectual property (patents, trademarks and copyrights), you may wish to consult the U.S. Government website, <http://www.stopfakes.gov>. Part of a Department of Commerce initiative, this website includes self-help "toolkits" giving innovators guidance on how to protect intellectual property in specific countries such as China, Korea and Mexico. For questions regarding patent enforcement issues, applicants may call the U.S. Government hotline at 1-866-999-HALT (1-866-999-4158).

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**Title 35, United States Code, Section 184**

**Title 37, Code of Federal Regulations, 5.11 & 5.15**

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**Declaration for Patent Application**  
**Déclaration pour Demande de Brevet**  
**French Language Declaration**

En tant l'inventeur nommé ci-après, je déclare par le présent acte que:

Mon domicile, mon adresse postale et ma nationalité sont ceux figurant ci-dessous à côté de mon nom.

Je crois être le premier inventeur original et unique (si un seul nom est mentionné ci-dessous), ou l'un des premiers co-inventeurs originaux (si plusieurs noms sont mentionnés ci-dessous) de l'objet revendiqué, pour lequel une demande de brevet a été déposée concernant l'invention intitulée

et dont la description

est fourni ci-joint  
 a été déposée le \_\_\_\_\_

sous le numéro de demande des Etats-Unis ou le numéro de demande international PCT

\_\_\_\_\_ et modifiée le  
 \_\_\_\_\_ (le cas échéant).

Je déclare par le présent acte avoir passé en revue et compris le contenu de la description ci-dessus, revendications comprises, telles que modifiées par toute modification dont il aura été fait référence ci-dessus.

Je reconnais devoir divulguer toute information pertinente à la brevetabilité, comme défini dans le Titre 37, § 1.56 du Code fédéral des réglementations.

As a below-named inventor, I hereby declare that:

My residence, mailing address and citizenship are as stated next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled.

**METHOD FOR THE HIGHER-ORDER BLIND DEMODULATION OF A LINEAR-WAVEFORM TRANSMITTER**

the specification of which

is attached hereto.  
 was filed on October 29, 2004  
 as United States Application Number or PCT International Application Number  
PCT/EP04/052734 and was amended on  
 \_\_\_\_\_ (If applicable)

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information that is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56.

## French Language Declaration

Je revendique par le présent acte avoir la priorité étrangère, en vertu du Titre 35, § 119(a)-(d) ou § 365(b) du Code des Etats-Unis, sur toute demande étrangère de brevet ou certificat d'inventeur ou, en vertu du Titre 35, § 365(a) du même Code, sur toute demande internationale PCT désignant au moins un pays autre que les Etats-Unis et figurant ci-dessous et, en cochant la case, j'ai aussi indiqué ci-dessous toute demande étrangère de brevet, tout certificat d'inventeur ou toute demande internationale PCT ayant une date de dépôt précédant celle de la demande à propos de laquelle une priorité est revendiquée.

Prior Foreign Application(s)  
Demande(s) de brevet antérieure(s) dans un autre pays.

03 13125 (Number) (Numéro)	FRANCE (Country) (Pays)
<hr/>	<hr/>
(Number) (Numéro)	(Country) (Pays)

Je revendique par le présent acte tout bénéfice, en vertu du Titre 35, § 119(e) du Code des Etats-Unis, de toute demande de brevet provisoire effectuée aux Etats-Unis et figurant ci-dessous.

(Application No.) (Nº de demande)	(Filing Date) (Date de dépôt)
--------------------------------------	----------------------------------

Je revendique par le présent acte tout bénéfice, en vertu du Titre 35, § 120 du Code des Etats-Unis, de toute demande de brevet effectuée aux Etats-Unis, ou en vertu du Titre 35, § 365(c) du même Code, de toute demande internationale PCT désignant les Etats-Unis et figurant ci-dessous et, dans la mesure où l'objet de chacune des revendications de cette demande de brevet n'est pas divulgué dans la demande antérieure américaine ou internationale PCT, en vertu des dispositions du premier paragraphe du Titre 35, § 112 du Code des Etats-Unis, je reconnais devoir divulguer toute information pertinente à la brevetabilité, comme défini dans le Titre 37, § 1.56 du Code fédéral des réglementations, dont j'ai pu disposer entre la date de dépôt de la demande antérieure et la date de dépôt de la demande nationale ou internationale PCT de la présente demande:

PCT/EP04/052734 (Application No.) (Nº de demande)	29 October 2004 (Filing Date) (Date de dépôt)
<hr/>	<hr/>
(Application No.) (Nº de demande)	(Filing Date) (Date de dépôt)

Je déclare par le présent acte que toute déclaration ci-incluse est, à ma connaissance, vérifique et que toute déclaration formulée à partir de renseignements ou de suppositions est tenue pour vérifiable; et de plus, que toutes ces déclarations ont été formulées en sachant que toute fausse déclaration volontaire ou son équivalent est passible d'une amende ou d'une incarcération, ou des deux, en vertu de la § 1001 du Titre 18 du Code des Etats-Unis, et que de telles déclarations volontairement fausses risquent de compromettre la validité de la demande de brevet ou du brevet délivré à partir de celle-ci.

I hereby claim foreign priority under Title 35, United States Code, § 119 (a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT International application which designated at least one country other than the United States, listed below, and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or PCT International application having a filing date before that of the application on which priority is claimed.

Priority Claimed Droit de priorité Revendiqué	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7 November 2003 (Day/Month/Year Filed) (Jour/Mois/Anné de dépôt)	Yes Oui	No Non
<hr/>	<hr/>	<hr/>
(Day/Month/Year Filed) (Jour/Mois/Anné de dépôt)	Yes Oui	No Non

I hereby claim the benefit under Title 35, United States Code, §119(e) of any United States provisional application(s) listed below.

(Application No.) (Nº de demande)	(Filing Date) (Date de dépôt)
<hr/>	<hr/>

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s), or § 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose information that is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application.

(Status: Patented, Pending, Abandoned) (Statut : breveté, en cours d'examen, abandonné)
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(Status: Patented, Pending, Abandoned) (Statut : breveté, en cours d'examen, abandonné)
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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

MAR 26 2007

## French Language Declaration

Nom complete de l'unique ou premier inventeur	Full name of first inventor Anne FERREOL	25 AVR. 2006
Signature de l'inventeur	Inventor's signature <i>Anne FERREOL</i>	Date
Domicile	Residence 92000 COLOMBES - FRANCE	
Nationalité	Citizenship French	
Adresse Postale	Mailing Address 3-5 rue Thomas d'Orléans 92000 COLOMBES - FRANCE	

Nom complete du second co-inventeur, le cas echeant	Full name of second joint inventor, if any Laurent ALBERA	25 AVR. 2006
Signature de l'inventeur	Second inventor's signature <i>Laurent ALBERA</i>	Date
Domicile	Residence 92100 BOULOGNE BILLANCOURT - FRANCE	
Nationalité	Citizenship French	
Adresse Postale	Mailing Address 233 avenue Jean Jaurès 92100 BOULOGNE BILLANCOURT - FRANCE	
Nom complete du troisième co-inventeur, le cas echeant	Full name of third joint inventor, if any Joséphine CASTAING	25 AVR. 2006
Signature de l'inventeur	Second inventor's signature <i>Joséphine CASTAING</i>	Date
Domicile	Residence 75020 PARIS - FRANCE	
Nationalité	Citizenship French	
Adresse Postale	Mailing Address 5, rue Constant Berthaut 75020 PARIS - FRANCE	

(Fournir les mêmes renseignements et la signature de tout co-inventeur supplémentaire.)

(Supply similar information and signature for subsequent joint inventors.)